

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00629_5 ~ C1216XT-30LXXK-MDEX-TCY-NLXXMW.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00629_5
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 9/20/2017
[UPDATE] 3/9/2018
[LUMCAT] C1216XT-30L-xxK-MD-EX-TCY-NL
[LUMINAIRE] Nom. 12" Diam. x 16" H. Accent Biaxial Adjustable Downlight Cylinder
[OTHER] Internal Reflector, Medium Beam
[OTHER] No lens
[OTHER] 20.1 Degree Beam Angle
[OTHER] Aimed at 0 Degrees
[LAMPCAT] N/A, 19mm LES
[LAMP] N/A, 83 CRI
[OTHER] Total Luminaire Watts is approximate
[OTHER] LEDXT lumen output is the same for all available CCT's
[OTHER] This report prepared by Spectrum Lighting

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2870
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	88
Total Luminaire Watts	32.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.34
Spacing Criterion (90-270)	0.34
Spacing Criterion (Diagonal)	0.36
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.44 ft (Diameter)
Luminous Width (90-270)	0.44 ft (Diameter)
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00629_5 ~ C1216XT-30LXXK-MDEX-TCY-NLXXMW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9674	17782	24567
55	3403	3658	3964
65	2847	3144	3566
75	3423	3689	3939
85	3506	4120	5145

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0	10880.750	10880.750	10880.750	10880.750	10880.750	10880.750	10880.750	10880.750	10880.750	10880.750
5	9229.188	9158.654	8888.932	8929.151	8964.108	9519.265	9468.370	9499.794	9303.808	9199.934
10	5404.168	5312.230	5302.149	5182.688	5210.467	5651.610	5684.031	5390.837	5424.475	5343.446
15	2314.313	2299.362	2441.264	2357.237	2325.068	2472.018	2559.574	2265.693	2334.211	2285.169
20	1280.475	1294.610	1350.475	1351.520	1343.579	1314.777	1336.681	1303.247	1303.285	1273.874
25	1089.934	1104.650	1128.300	1144.895	1152.703	1103.618	1094.781	1134.630	1120.569	1095.470
30	1028.489	1044.415	1064.764	1082.437	1094.997	1053.862	1037.638	1085.422	1070.177	1045.551
35	921.547	957.925	951.655	1014.509	1003.170	964.276	958.300	1013.798	979.084	945.655
40	458.718	514.906	569.966	668.496	711.630	656.130	621.909	748.143	683.592	621.451
45	97.607	99.537	179.402	184.044	247.858	238.330	230.840	253.964	237.740	190.719
50	44.654	39.267	44.975	39.941	50.781	68.892	66.751	52.224	59.893	54.309
55	27.847	29.174	29.934	32.947	32.439	36.855	39.322	34.382	33.621	35.312
60	27.425	25.755	25.838	28.241	27.881	34.534	36.466	34.550	31.390	32.732
65	17.170	20.048	18.959	23.793	21.501	30.818	32.397	27.806	30.235	29.269
70	14.624	14.134	14.225	14.110	17.111	29.035	31.376	26.299	28.060	26.366
75	12.642	12.164	13.623	13.846	14.545	30.037	28.532	27.025	27.718	27.641
80	8.423	10.995	11.064	12.966	12.450	28.879	26.771	28.308	26.118	24.803
85	4.360	4.659	5.123	5.567	6.398	18.854	23.292	22.318	25.926	23.264
90	0.000	0.000	0.000	0.000	2.364	15.264	14.134	15.435	15.591	15.319
95	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Angles **Horizontal Angles**

	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0	10880.750	10880.750	10880.750	10880.750	10880.750	10880.750	10880.750
5	8918.039	8887.353	8871.527	9466.707	9420.629	9323.839	9229.188
10	5302.000	5212.923	5177.018	5647.499	5682.259	5362.061	5404.168
15	2409.759	2263.731	2215.302	2470.494	2576.857	2171.278	2314.313
20	1309.319	1242.857	1247.267	1314.505	1337.840	1212.354	1280.475
25	1090.731	1079.396	1074.210	1090.698	1096.987	1078.323	1089.934
30	1030.145	1017.626	1009.378	1019.802	1021.253	1005.315	1028.489
35	922.861	874.996	893.951	895.550	881.557	878.940	921.547
40	537.393	490.212	421.287	468.209	490.764	433.889	458.718
45	172.310	130.831	99.343	133.183	167.175	98.308	97.607

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50	50.373	53.755	55.258	52.799	52.359	51.438	44.654
55	35.748	32.763	33.930	33.606	33.187	28.356	27.847
60	29.552	30.639	32.379	27.445	26.367	28.092	27.425
65	26.067	27.912	29.049	25.043	19.913	18.297	17.170
70	26.783	23.664	25.669	14.115	18.031	12.859	14.624
75	26.769	24.086	24.395	14.455	14.169	12.450	12.642
80	28.317	26.308	27.299	11.851	12.576	10.583	8.423
85	24.169	22.167	19.555	4.963	5.927	3.792	4.360
90	15.962	13.806	0.000	0.000	0.000	0.000	0.000
95	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	1523.29	N.A.	53.10
0-30	2047.66	N.A.	71.30
0-40	2591.92	N.A.	90.30
0-60	2807.75	N.A.	97.80
0-80	2854.06	N.A.	99.40
0-90	2868.65	N.A.	99.90
10-90	2107.00	N.A.	73.40
20-40	1068.63	N.A.	37.20
20-50	1251.3	N.A.	43.60
40-70	240.79	N.A.	8.40
60-80	46.32	N.A.	1.60
70-80	21.36	N.A.	0.70
80-90	14.58	N.A.	0.50
90-110	1.85	N.A.	0.10
90-120	1.85	N.A.	0.10
90-130	1.85	N.A.	0.10
90-150	1.85	N.A.	0.10
90-180	1.85	N.A.	0.10
110-180	0.00	N.A.	0.00
0-180	2870.49	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	761.65
10-20	761.64
20-30	524.36
30-40	544.26
40-50	182.67
50-60	33.15
60-70	24.96
70-80	21.36
80-90	14.58
90-100	1.85
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

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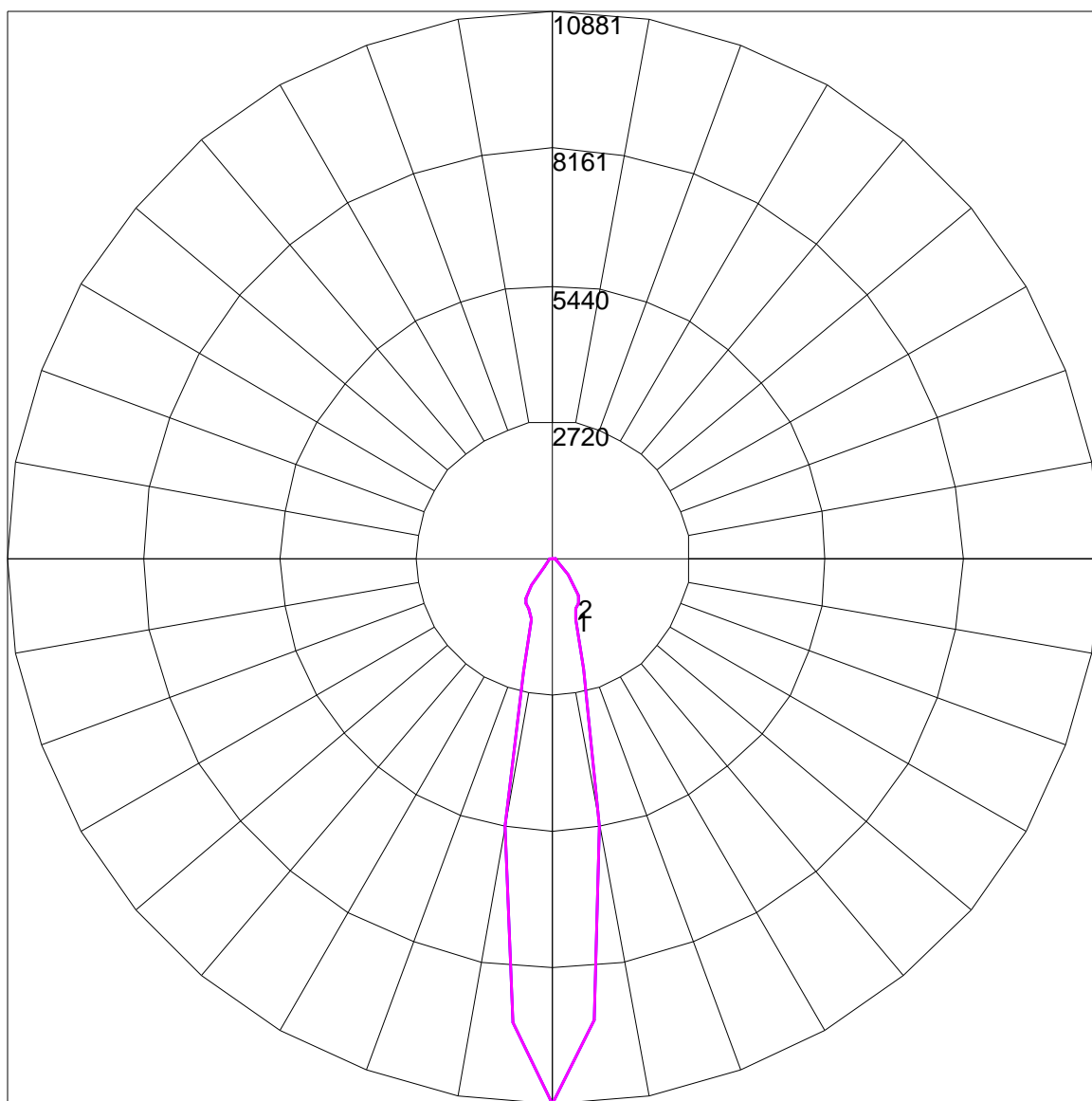
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	84	83
4	99	92	87	83	97	91	86	83	89	85	82	87	83	81	85	82	80	78
5	95	87	82	78	93	86	81	78	85	80	77	83	79	76	81	78	76	74
6	91	83	77	73	89	82	77	73	81	76	73	79	75	72	78	74	72	70
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	67
8	84	75	70	66	83	75	70	66	74	69	66	73	69	66	72	68	65	64
9	81	72	67	63	80	72	67	63	71	66	63	70	66	63	69	65	62	61
10	78	69	64	61	77	69	64	60	68	63	60	67	63	60	67	63	60	59

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POLAR GRAPH



Maximum Candela = 10880.75 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (0 - 180)